TRUKHACHEV, M.I. (Magadan, Portovaya ul., d.5, kv.24)

Epiphysiolysis of the distal end of the forearm bones in children. Ortop., travm. i protez. 25 no.5:13-16 My '64. (MIRA 18:4)

1. Iz Moskovskoy detskoy klinicheskoy bol'nitsy imeni Filatova (glavnyy vrach - L.A.Vorokhobov) i Ob"yedinennoy bol'nitsy gor Magadana (glavnyy vrach - L.A.Gordeyeva).

MARKOV, N.G., tekhnolog; TRUKHACHEV, M.M., tekhnolog; KISLYAKOV, F.V.,

Letter to the editor. Vest.mash. 35 no.12:18 '55. (MLRA 9:5)
(Sandblast)

L 45461-66 EWT(m)/EWP(t)/ETI JR

ACC NR: AP5026447 SOURCE CODE: UR/0089/65/019/004/0383/0384

AUTHOR: Mukhina, G. V.; Protsenko, A. N.; Trukhachev, N. M. 19 B

ORG: None

TITLE: Calculation of fuel burnup in a cylindrical reactor with a movable compensating system

SOURCE: Atomnaya energiya, v. 19, no. 4, 1965, 383-384

TOPIC TAGS: nuclear reactor, reactor fuel element, nuclear powered ship

ABSTRACT: An abbreviated version of the authors' original paper is given. The authors describe their mathematical approach to determining the neutron flux distributions and critical parameters affected by the fuel burnup process and the shim-bank movement. A system of basic reactor equations and approximations was derived in the original paper. The parameters were expressed in polynomials with arguments proportional to the integral heat release. The calculations were made for different positions of shim-banks on the basis of their overlapping coincidences with various neutron distribution areas. The results of calculations for the nuclear reactor of the icebreaker "Lenin" are shown (continuous

UDC: 621.039.51

Card 1/2

ACC NR: AP5026447

curve) in Fig. 1 and compared with the data (plotted dots) obtained experimentally. Orig. art. has: 2 figures.

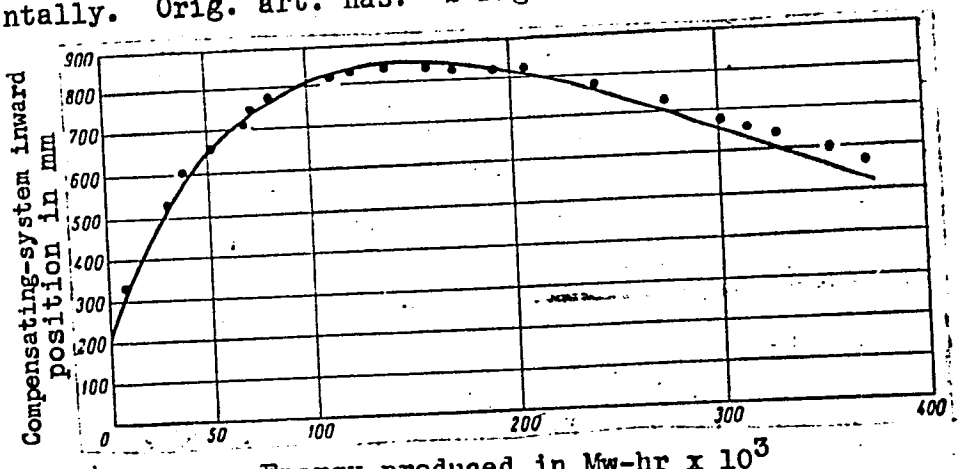


Fig. 1. Position of the compensating system in the nuclear reactor of icebreaker "Lenin"

SUB CODE: NP / SUBM DATE: 26May65 / ORIG REF: 004 / OTH REF: 000

KRAVCHENKO, S.F.; TRUKHACHEVA, A.A.; SIPYAGIN, A.S., professor, retsenzent; BURMAN, M.Ye., inzhener, retsenzent; PRITYKINA, L.A., redaktor; MEDVEDEVA, L.A., tekhnicheskiy redaktor.

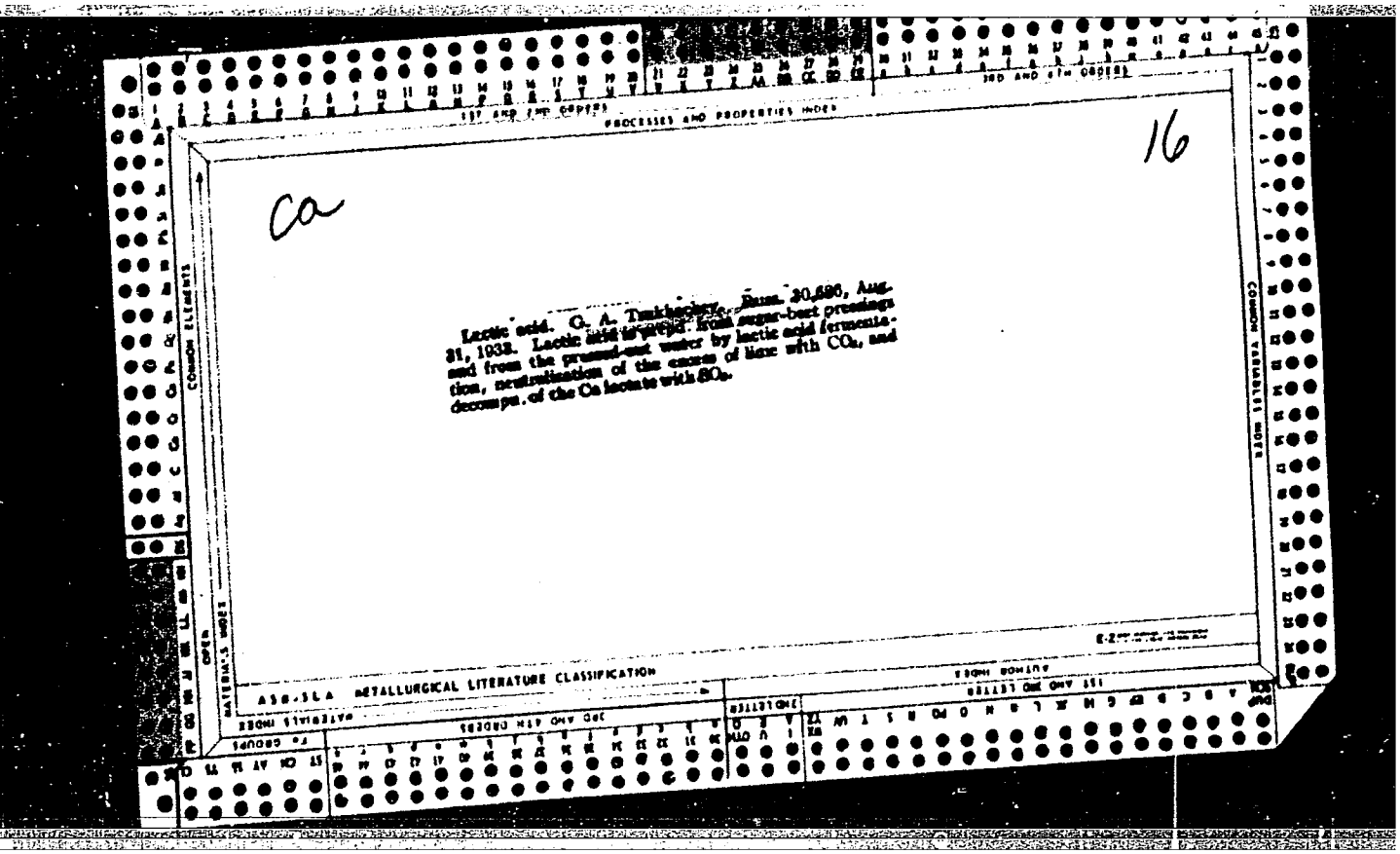
[Technochemical control and calculation of the production of cornstarch products] Tekhno-khimicheskii kontrol' i uchet proizvodstva krakhmaloproduktov iz kukuruzy. Moskva, Pishchepromizdat, 1954. 162 p. (MLRA 8:1)

(Cornstarch)

TRUKHACHEVA, K. P.

"The Structure Of The Chromosomes And Their Participation In Cell-Metabolism. Director Of The Institute Of Experimental Biology, Moscow" (p. 1) by Koltsov, N. K. in collaboration with laboratarian Truckhacheva, K. P.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII, 1938, No. 1



TRUKHACHEVA, Z. A.
A. V. KAZAKOV, Trans. Sci. Inst. Fertilizers USSR, 1934, No. 125, 147-56

PA 77T73

TRUKHACHEVA, K. P.

Apr 1948

USSR/Medicine - Plants
Medicine - Cells, Division

"The Distribution of Basophilic Cells and of Mitosis in the Meristem of Radicles in Higher Plants," B. V. Kedrovskiy and K. P. Trukhacheva, Inst Cytology, Histology and Embryol, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 3

Results of studies conducted on 13 types of angiospermae, to show great affinity of fixed plasma in young cells of primary meristem to basic aniline dyes. Submitted by Acad L. A. Orbeli 29 Jan 1948.

77T73

TRUKHACHEVA, K.P.

CTRSPL Vol. 5-No. 1 Jan. 1952

Trukhacheva, K.P. and Kedrovski, B.V. (A.N. Severtsov Institute of Animal Morphology, U.S.S.R. Academy of Sciences), Seasonal changes of cells of the cambial region of *Sambucus* stem, 1211-4

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 6 -1951

T

USSR

New methods of study of the functional morphology of the cells and tissues. [V. V. Kozhevnikov and L. P. Trukhacheva] (V. N. Severtsov Inst. Animal Morphol., Acad. Sci. U.S.S.R.). *Doklady Akad. Nauk S.S.S.R.* 86, 833-6 (1952).—*Determination of structural density:* One of the methods is based upon the relation between the size of the mols. and the velocity of their diffusion in aq. solns. or gels. The smaller the mol. the greater the velocity. When a tissue section is stained with a combination of 2 acid dyes of different mol. size, the one consisting of smaller mols. will stain the denser structure and vice versa. This method depends upon several factors which were taken into consideration in developing the technique. The section is kept for 2½ hr. at 37° in the following soln.: 0.1% aq. soln. of 0.1% methyl blue, 1 part, 1% aq. soln. of Orange G, 1.5 parts, 80% AcOH, 8-10 drops, and distd. H_2O, 100 parts. The differentiation is carried out in 96% EtOH, checking the process with the microscope. Structures of ...

rd, are stained according to the following color scale: blue, green, yellow-green, yellow-orange. This method is less complicated and time-consuming than others which have been described. *Detection of tryptophan in protein of histological prepa-* The tissue is fixed in EtOH, $HgCl_2$, or EtOH plus formalin embedded in gelatin, and the gelatinous block fixed in weak formalin if necessary and cut into thin sections. The sections are [illegible] placed in the following [illegible] for 5 min. [illegible] becomes colorless. [illegible] reagent. The [illegible] ithic or violet. After a brief washing with water the sections are examined [illegible] factors. [illegible] especially [illegible] pigments and [illegible]

L 38109-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB

ACC NR: AP6015724 SOURCE CODE: UR/0032/66/032/005/0528/0529

AUTHOR: Trukhacheva, V. A.; Malakhov, V. V.

ORG: Institute of Inorganic Chemistry, Siberian Branch, AN SSSR (Institut neorganicheskiy khimii SO AN SSSR)

31 B

TITLE: Analysis of indium-containing sodium chloride crystals

SOURCE: Zavodskaya laboratoriya, v. 32, no. 5, 1966, 528-529

TOPIC TAGS: quantitative analysis, indium, sodium chloride

ABSTRACT: Experiments have shown that with melting of sodium chloride crystals with soda and with additions of In_2O_3 no loss of indium is observed. As a result of analysis, more than 99% of the amount of indium introduced is detected. For the analysis, 0.5 grams of a pulverized sample of sodium chloride crystals is placed in a platinum crucible, mixed with 3 grams of anhydrous soda, and melted in a muffle furnace at 1200°C for 30 minutes, with addition of an additional 0.5 grams of soda. The melt is dissolved in hydrochloric acid and the silicic acid is separated out; analysis for silicon is completed by weighing. After separation of the silicon, an ammonia solution is added to the hydrochloric acid filtrate, up to the point of a slight odor.

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ACC NR: AP6015724

The indium hydroxide which separates out is filtered and washed with hot water; the filtrate containing calcium is collected in a measuring flask. The indium hydroxide residue in the filtrate is dissolved in hot hydrochloric acid, and the filtrate is collected in a measuring flask. Determination of calcium and indium in the solutions obtained can be done by any desired method. The relative mean square error of the determination is about 1%. Orig. art. has: none.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 003

Card 2/2

RUSAKOV, I.M.; TRUKHALEV, A.I.

Significance of the discovery of Triassic fauna in the eastern part of the Koryak Range. Dokl.AN SSSR 145 no.2:394-395 Jl '62. (MIRA 15:7)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.
Predstavleno akademikom D.V.Nalivkinym.
(Koryak Range--Paleontology, Stratigraphic)

TRUKHALEV, A.I., Cand Med Sci -- (diss) "Tumors of the mediastinum and their surgical treatment." Len, 1956, 20 pp (Len State Order of Lenin Inst for the Advanced Training of Physicians im S.M. Kirov) 200 copies

(KL, 50-58, 131)

TRUKHALEV, A.I. (Leningrad, S-15, Suvorovskiy pr., d.63, kv.2)

Mediastinal tumors and their surgical treatment [with summary in English]. Vest.khir. 80 no.3:82-89 Mr '58. (MIRA 11:4)

1. Iz kafedry 1-y khirurgii (i.o.zav. - dotsent A.S.Chechulin) Leningradskogo instituta usovershenstvovaniya vrachey im. S.M. Kirova (nauchn. rukovod. raboty - prof. V.V.Ornatskiy)
(MEDIASTINUM, neoplasms
classif. & surg. (Rus))

TRUKHALEV, I.A.

Preparation of patients with chronic suppurative processes of the lungs to pneumonectomy. Vest. khir., Moskva 73 no.6: 23-26 Nov-Dec 1953. (CIML 25:5)

1. Docent. 2. Of the Second Faculty Surgical Clinic (Head --Prof. P.A. Kupriyanov), Military Medical Academy imeni S.M. Kirov.

TSUKHALEV, I.A.; KUPRIYANOV, P.A., professor, nachal'nik.

Use of sodium bromide with caffeine in the pre- and postoperative period to control sleep disturbances and postoperative pain; preliminary report. Vest.khir. 73 no.3:29-34 My-Je '53. (MLRA 6:6)

1. Vtoraya fakul'tetskaya khirurgicheskaya klinika Voyenno-meditsinskoy akademii im. S.M.Kirova.
(Sodium bromide) (Caffeine) (Operations, Surgical)

TRUKHALEV, I.A., dotsent.

Preparing patients with chronic suppurative pulmonary processes for pneumonectomy. Vest.khir. 73 no.6:23-26 N-D '53. (MLRA 6:12)

1. Iz 2-y fakul'tetskoy khirurgicheskoy kliniki (nachal'nik - professor P.A.Kupriyanov) Voyenno-meditsinskoy akademii im. S.M.Kirova.

(Lungs--Diseases)

TRUKHALEV, I. A.

Summaries of papers presented at the XXVI Congress of Surgeons of the USSR, Moscow, 20 - 27 January 1955, included:

Pre-Operative Treatment and Post-Operative Care of Patients with Chronic Suppurative Processes in the Lungs.

M. S. GRIGORYEV and I. A. TRUKHALYOU

SOURCE: [redacted]-A-46013 (Official Publication) Unclassified.

TRUKHAN, E.M.

Electromagnetic phenomena in ferrites at ultrahigh frequencies.
Trudy MFTI no.6:50-66 '62. (MIRA 15:5)
(Electromagnetism)
(Ferrates)

37155
S/658/62/000/008/003/007
D201/D301

9,2572
9,2571

AUTHOR: Trukhan, E.M.

TITLE: Electromagnetic phenomena in ferrites at SHF

SOURCE: Moscow. Fiziko-tekhnicheskiy institut. Trudy, no. 8, 1962. Issledovaniya po fizike i radiotekhnike, 50 - 66

TEXT: The author considers electromagnetic phenomena occuring in saturated ferrites and shows their possible use for the amplification, generation and conversion of SHF. From the analysis of ferromagnetic resonance in its most simple form a working method is developed, with the help of which the free oscillations of the ferrite medium are analyzed. Theory of the magnetostatic modes of Walker is supplemented and the results of its experimental confirmation given. The phenomena in a ferrite irradiated by SHF are analyzed as a result of excitation of specific forms of precession. The non-linear effects in a ferrite irradiate by a high power SHF field are analyzed and an equation is derived which makes it possible to evaluate the threshold value of the field above which the spin wave is obtained. The condition of unstable motion of the magnetization vector

Card 1/2

Electromagnetic phenomena in ...

in a solid of revolution is determined, the solid having an arbitrary ratio of demagnetization forces, from which, as a supplement to the Suhl theory, it follows that the motion in an infinitely long cylinder is unstable to the same extent as that in an infinitely thin disc. The problem of parametric spin wave excitation is analyzed in more detail as compared with the analysis by Suhl and Mikaelyan. It is shown that solutions obtained by the above authors represent actually the envelopes of solutions obtained in the present article. It is stated in conclusion that the analysis of nonlinear effects shows the method of designing an SHF generator and amplifier. By means of irradiating the ferrite by a strong enough SHF wave, a spin wave may be induced at half the frequency and a generator operating at this half-frequency may be thus obtained. If the field is slightly lower than its threshold value - an SHF amplifier is obtained having the noise factor as near unity as required. There are 5 figures and 8 references. 1 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: Walker, Phys. Rev., 1957, v. 105, no. 2, p. 390; H. Suhl, Journ. of Appl. Phys., 1957, v. 28, no. 11; ibid Phys. Rev., 1957, v. 106, no. 2, p. 384; ibid., Phys. Rev., 1956, v. 103, no. 4, p. 1437.

Card 2/2

TRUKHAN, G.L., kand.tekhn.nauk, dotsent

Pattern making for mass-produced clothing. Report No.5. Izv. vys.ucheb.zav.; tekh.leg.prom. no.6:95-100 '60. (MIRA 14:1)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii shveynogo proizvodstva.
(Clothing industry) (Dressmaking—Pattern design)

TRUKHAN, G.L., kand.tekhn.nauk, dotsent

Making patterns for the manufacture of mass production clothing. Report No.3. Izv. vys. ucheb. zav.; tekh. leg. prom. no.2:112-118. '60. (MIRA 13:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii shveynogo proizvodstva.
(Dressmaking--Pattern design) (Clothing industry)

TRUKHAN, G.L., kand. tekhn. nauk dots.

Cutting systems in garment designing for mass production.
Izv. vys. ucheb. zav.; tekh. leg. prom. no.4:117-123 '59.
(MIRA 13:2)

1.Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii shveynogo proizvodstva.
(Garment cutting)

RUSAKOV, Sergey Ivanovich, kandidat tekhnicheskikh nauk; PUDNIK, F.P.; SAVOSTITSKIY, A.V.; TRUKHAN, G.L.; EPPEL', S.S.

[Sewing technology] Tekhnologiia shveinogo proizvodstva. Moskva, Gos. izd-vo Ministerstva legkoi i pishchevoi promyshl., 1953. 656 p. (MLRA 6:12)
(Clothing industry)

TKUKHAN, G. L., (Grad Stud)

Dissertation: "Dimensional Features of the Human Body, Essential for Designing Clothes for Mass Production." Cand Tech Sci, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich, 2 Jul 54. (Vechernyaya Moskva, Moscow 23 Jun 54)

SO: SUM 318, 23 Dec 1954

TRUKHAN, G.L., inzhener.

Designing clothing for mass production. Leg.prom.14 no.3:36-38 Mr '54.
(MLRA 7:5)
(Clothing industry)

MLRUTENKO, O.S., inzh.; TRUKHAN, G.L., kand. tekhn. nauk, dotsent

Analyzing the methods of pattern making in series. Izv. vys. ucheb. zav.; tekh. leg. prom. no.4:129-139 '63. (MIRA 16:10)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnolgii shveynogo proizvodstva.

ORLOV, I.V.; TRUKHAN, G.L.

New developments in the work of the Kiev Technological Institute of Light Industry. Shvein.prom. no.2:33-34 Mr-Ap '61. (MIRA 14:4)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. (Kiev—Technical education) (Clothing industry—Research)

TRUKHAN, I.I., dotsent, red.; SAVITSKIY, F.I., red.; MISHKO, A.I., tekhred.

[Physical and economic geography of the White Russian S.S.R.] Fizicheskaia i ekonomicheskaia geografiia BSSR; sbornik statei. Minsk, 1960. 181 p. (MIRA 14:2)

1. Minsk, Universitet.
(White Russia--Geography)

TRUKHAN, I.I.; MALYSHEV, A.A.

Development of industrial primary processing of flax in the White Russian S.S.R. Trudy Geofaka BGU no.1:111-128 '58. (MIRA 12:8)

(White Russia--Flax industry)

TRUKHAN, P.T.; POPOVA, A.A.; Prinimali uchastiye: DOMBROVSKAYA, A.R.; GROSMAN, Z.M.; STROMILO, L.I.; SEGAL', E.M.

Globulin immunization of schoolchildren to prevent infectious hepatitis. Report no.1: Reactions following the introduction of gamma glcbulin. Zhur. mikrobiol., epid. i immun. 41 no.10: 143-144 '64. (MIRA 18:5)

1. Kiyevskiy institut usovershenstvovaniya vrachey i Sanitarno-epidemiologicheskaya stantsiya Podol'skogo rayona Kiyeva.

TRUKHAN, P.T., polkovnik meditsinskoy sluzhby.

Use of sulfamine preparations for checking outbreaks of acute intestinal diseases. Voen.-med. zhur. no.5:37-38 My '50. (MLRA 9:9)
(SULFONAMIDES) (INTESTINES--DISEASES)

TRUKHAN, V.I.; KOPEYKIN, M.F.; SAMOYLOV, V.I.; KLOPOVA, A.S.; BALDINA, Ye.A.

Decision of the Presidium of the Central Committee of the Trade Union of Workers of the Petroleum and Chemical Industries. Neftianik 3 no.5:1-3 My '58. (MIRA 11:9)
(Petroleum industry)

SIROTA, I.M., kand. tekhn.nauk; TRUKHAN, A.P., inzh.

Earth fault signaling arrangement with high-voltage capacitive tapping. Elek.sta. 29 no.6:51-53 Je '58. (MIRA 11:9)
(Electric lines) (Electric apparatus and appliances)

ACC NR: AP7001339 SOURCE CODE: UR/0386/66/004/011/0449/0453

AUTHOR: Kurnosov, V. D.; Magalyas, V. I.; Pleshkov, A. A.; Rivlin, L. A.; Trukhan, V. G.; Tsvetkov, V. V.

ORG: none

TITLE: Self modulation of emission from an injection semiconductor laser

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 11, 1966, 449-453

TOPIC TAGS: semiconductor laser, laser emission, laser pumping, light modulation, pn junction, gallium arsenide

ABSTRACT: The authors show first, by analyzing the kinetic equations for the power of an injection-type laser, that self modulation of such a laser is possible if it is assumed that the injection laser has the same self-oscillating properties as an optically pumped one. They then report on the time structure of a GaAs laser emission, observed experimentally by means of an electron-optical converter (EOC) (M. M. Bustlov, Uspekhi nauchnoi fotografii no. 6, 76, 1959) with a time-scanned image (sweep duration ~2 nsec). The GaAs diode with a p-n junction produced by diffusion was excited by single injection-current pulses of 1 - 5 amp and 600 nsec duration, synchronized with the pulsed supply to the EOC. The image of the glowing active layer of the diode was projected by microscope objectives from a vacuum liquid-nitrogen cryostat onto the photocathode of the EOC. The experiments showed clearly the emis-

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ACC NR: AP701339

sion self-modulation (spikes), whose period decreased with increasing injection current (from 0.35 nsec at 2 amp to 0.17 nsec at 4.3 amp). There was no self modulation of the spontaneous emission below threshold. Self modulation periods as low as 0.05 nsec were observed in different diodes with threefold excess over threshold. The synchronous self modulation was accompanied by non-synchronous modulation at individual points, probably due to differences in local thresholds and the inhomogeneous distribution of the injection-current density. The measurement results agree with the calculations in order of magnitude, but a more accurate comparison calls for knowledge of the mode content of the emission, since the calculations were made in the single-mode approximation. The authors thank M. M. Bustlov for consultation and supplying the EOC tubes. Orig. art. has: 1 figure and 3 formulas.

SUB CODE: 20/ SUBM DATE: 29Jul66/ ORIG REF: 002/ OTH REF: 003

Card 2/2

92-58-5-3/30

AUTHORS: Trukhan, V. I., Member of the Supreme Soviet of the USSR, and Foremen: Kopeykin, M. F.; Shtykh, A. P.; Samoylov, V. I.; Baldina, Ye. A.

TITLE: Appeal to All Operators, Specialists and Workmen of the Most Important Professions in Enterprises of the Petroleum and Chemical Industry (Ko vsem operatoram, apparatchikam i rabochim vedushchikh professiy predpriyatiy neftyanoy i khimicheskoy promyshlennosti.)

PERIODICAL: Neftyanik, 1958, Nr 5, p 3 (USSR)

ABSTRACT: This appeal to all operators, specialists and workmen of the petroleum and chemical industry enumerates the achievements attained by chemical industry workers in 1957 and it urges them to make a further effort to increase the output of fertilizers, synthetic rubber, paints, plastics, etc. It also urges them to improve processing methods by taking advantage of advanced techniques and automation. A pledge by various teams of chemical plants, shops and factories is included in this appeal. They pledge to improve operating conditions of processing units, to obtain better operational results, to overfulfill the annual production plan, and to hit new peaks in the output of chemicals. The results of operations carried out during the first quarter of 1958 indicate that the obligations undertaken by the chemical industry workers will be discharged in time.

Card 1/1 1. Petroleum industry-USSR 2. Chemical industry--USSR 3. Personnel --Pledges

TRUKHAN, Ye.Ye., ordinator

Unusual case of insular adenoma associated with hyperthyroid endemic goiter. Probl.endok. i gorm. 4 no.1:105-107 Ja-F'58 (MIRA 11:5)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. O.V. Nikolayev) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova)

(HYPERTHYROIDISM, complications, insuloma (Rus))
(ISLANDS OF LANGERHANS, neoplasms insuloma with hyperthyroidism (Rus))

BELYAKOU, M.F., DZMRUZHYNSKI, A., redaktor; TRUKHANAVA, A., tekhnicheskiy redaktor

[Orientation without maps. Translated from the Russian] Aryentavanne na miastsovasti bez karty. Peraklad z ruskaha vydannia. Minsk, Dziarzh. vyd-va BSSR, 1956. 47 p. (MLRA 9:10)
(Orientation)

AFANAS'EU, N.N., inzhener; ZHAROVIN, D., redaktor; TRUKHANAVA [illegible], tekhredaktor.

[Masonry and concrete work; aid for the farm construction worker] Kamennyia i betonnyia raboty; u dapomohy sel'skamu budaunіku. Minsk, Dziarzhaunae vyd-va BSSR, 1954. 211 p. (MLRA 8:2)
(Masonry) (Concrete construction)

TRUKHANENKO, I. I. (Director of the Kar'kov Oblast' Veterinary Polyclinic)

"Treatment of calves infected with pneumonia and dyspepsia with intravenous injection of streptomycin"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 81-89

40020
S/035/62/000/008/090/090
A001/A101

24.3300
3.4000 (4303)

AUTHORS: Valeshko, G. I., Indichenko, I. G., Trukhanenko, M. V.

TITLE: New devices for geographic deciphering and transferring contours from aerial photographs onto maps

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 34, abstract 8G275 (In collection: "Geogr. i kh.-vo", v. 10, Moscow, 1961, 75 - 77)

TEXT: New devices for compiling general geographic maps are described; they were developed by the laboratory of aerophotomethods at the Geographical Division of MGU. In distinction from existing stereoscopes, the ПСИ-2 (PSI-2) mirror stereoscope ensures complete survey of the entire overlapping area of a pair of aerial photographs. Small size of the device makes it possible to carry it in the side pocket of an observer. The visual field of the stereoscope is 110 x 160 mm. Simplest measurements can be performed under the stereoscope by means of devices of parallax-meter type. Stereo spectacles are mounted in any standard rim into which plane-parallel glasses are inserted. Optical wedges with refraction angle of 14 - 18° are glued to the lower parts of the glasses, the upper part of the glasses, intended for observation of the country, can be smoked, if a highly lighted country

Card 1/2

New devices for geographic deciphering and...

is observed. Such a design makes it possible to observe the stereoscopic country model from aerial photographs and the country directly. To determine, from aerial photographs, relative elevations and slopes on the country, a stereo altimeter and a stereo declinometer have been developed. The stereo altimeter makes it possible, without additional calculations, to determine mutual elevations up to 400 m directly on the device. Measurements of slopes of the country are made with the stereo declinometer by means of the stereoscope on aerial photographs of 18 x 18 cm size with elliptical marks, and measurements of slopes oriented along the direction of bases with dash marks. A strictly definite angle of ellipse turn or dash marks corresponds to every certain slope angle of the country. On this basis, nomograms have been plotted which are used for slope angle determination.

V. Agafonov

[Abstracter's note: Complete translation]

Card 1/2

TRUKHANENKO, V.I.

Case of giant pharyngeal hemangiocavernoma cured with radium. Vest. otorinolar. 13 no.3:69-70 May-June 1951. (CLML 20:11)

1. Of the Clinic of the Ukrainian Institute for Diseases of the Ear, Throat, and Nose (Director--Prof. L.L. Frumin).

1. TRUKHANENKO, V. I.

2. USSR (600)

4. Spatula

7. Universal spatula for cerebro-cranial surgery. Vop. neirokhir. 16 no. 6 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

THUKHANENKO, V.I.

Improved spatula for direct laryngoscopy. Vest. otorinolar., Moskva 15 no.2:85 Mar-Apr 1953. (CIML 24:3)

1. L'vov.

TRUKHANOV, A. A.

Trukhanov, A. A., Shershov, S. F., Rozenman, A. S. Kheyster, I. M., Gluzunov, A. A., and Gludinskiy, P. G. Participated in a discussion on the "Waste of Metal and Decreasing the Power Losses in the Electrification System of the USSR"
Moscow Power Engineering Institute imeni Molotov (MEI,)
SO: Elektrichestvo, No. 5, 1947; (W-27801, 14 Sept. 1953)

TRUKHANOV, A.A.

ZLOBINSKIY, B.M.; TRUKHANOV, A.A., doktor tekhnicheskikh nauk, professor, retsenzent; KRUKOVSKIY, V.A., dotsent, retsenzent; VLASOV, A.F., inzhener, retsenzent; VINOGRADSKIY, N.V., dotsent, redaktor.

[Elements of safety technique] Osnovy tekhniki bezopasnosti. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 212 p. (MLRA 7:7)
(Industrial safety)

ZLOBINSKIY, Boris Mikhaylovich; ZOLOTNITSKIY,N.D., doktor tekhnicheskikh nauk, professor, redaktor; KHUTORSKAYA,Ye.S., redaktor; TRUKHANOV, A.A., professor, doktor tekhnicheskikh nauk, retsenzent; SHAL'NEV, V.G., kandidat tekhnicheskikh nauk, dotsent, retsenzent; CHERNYAVSKAYA,S.G., kandidat tekhnicheskikh nauk, retsenzent; EVENSON,I.M., tekhnicheskiy redaktor

[Principles of safety engineering; general course for students in metallurgical schools] Osnovy tekhniki bezopasnosti; obshchii kurs dlia studentov metallurgicheskikh spetsial'nostei vuzov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 219 p. (MIRA 9:3)

(Metallurgy--Safety measures)

TRUKHANOV, A.A., doktor tekhnicheskikh nauk, professor

Teaching safety engineering in Soviet institutions of higher education. Bezop.truda v prom. 1 no.7:3-5 Jl '57. (MIRA 10:7)

1. Predsedatel' ekspertnoy komissii po tekhnike bezopasnosti Ministerstva vysshego obrazovaniya SSSR.
(Accidents--Prevention--Study and teaching)

TRUKHANOV, A.A., doktor tekhn. nauk, prof.

Economic foundations of the standardization of artificial lighting of industrial enterprises. Svetotekhnika 4 no. 7:1-8 Jl '58. (MIRA 11:7)

1. Moskovskiy energeticheskiy institut.
(Factories--Lighting--Standards)

TRUKHANOV, A.A., doktor tekhn.nauk, prof.

Regulations should not be revised until they have been throughly studied. Svetotekhnika 7 no.11:21-22 N '61. (MIRA 14:11)

1. Moskovskiy energeticheskiy institut.
(Electric lighting)

TRUKHANOV, F., inzh. (g.Kazan')

Protection against dust. Okhr. truda i sots. strakh. 3 no. 12:54 D '60. (MIRA 13:12)
(Mine dusts) (Mining engineering--Safety appliances)

TRUKHANOV, F.I.

Device for dispensing liquid soap in measured amounts. Gig.i san. no.5: 53 My '54. (MLRA 7:5)

1. Iz Kazanskogo nauchno-issledovatel'skogo instituta okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov. (Soap)

TRUKHANOV, F.I.

Method of evaporating oil from rags. Gig. i san. no.10:48 O '55. (MLRA 9:1)
(RAGS) (OILS AND FATS)

USSR/Engineering - Machine tools

Card : 1/1 Pub. 128 - 25/32

Authors : Trukhanov, F. I.

Title : A rake for the removal of chips

Periodical : Vest. mash. 34/7, 75, July 1954

Abstract : A description is given of a rake for removing chips from machine beds. Drawing.

Institution : ...

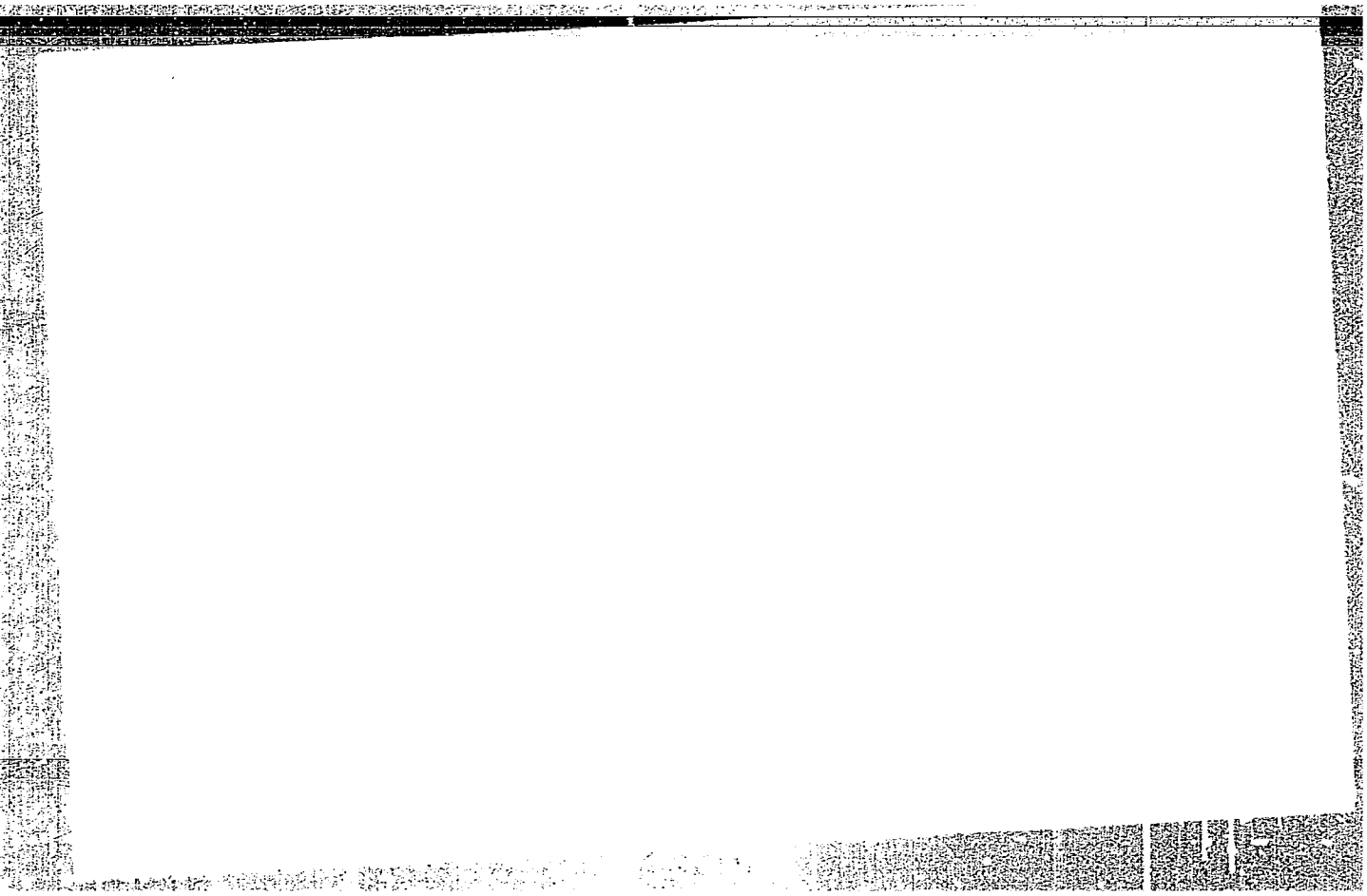
Submitted : ...

TRUKHANOV, F.I.

Soundproof chamber for ball mills. Stek. i ker. 13 no.10:12-13 O '56. (MLRA 9:12)
(Crushing machinery) (Soundproofing)

TRUKHANOV, F.I., inzhener.

Hook-rake for metal shavings. Vest.mash. 34 no.7:75 Jl '54.
(Machine tools) (MLRA 7:8)



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LOBANOV, M.P.; TRUKHANOV, I.V.

Geological conditions governing beryllium mineralization during metasomatic prccesses in a shear zone. Sov. geol. 7 no.10:39-50 O '64. (MIRA 17:11)

1. Irkutskoye geologicheskoye upravleniye.

Trukhanov, K.A.

PHASE I BOOK EXPLOITATION SOV/3569

Sbornik radiokhimicheskikh i dozimetricheskikh metodik (Collection of Radio-Chemical and Dosimetric Methods) Moscow, Medgiz, 1959. 459 p. Errata slip inserted. 9,000 copies printed.

Eds. (Title page): N.G. Gusev, U.Ya. Margulis, A.N. Marey, N.Yu. Tarasenko, Yu.M. Shtukkenberg; Ed. (Inside book): V.I. Labaznov; Tech. Ed.: A.I. Zakharova.

PURPOSE: This collection of articles is intended for physicists, sanitation and public health doctors, chemists and other specialists working in radioactive dosimetry.

COVERAGE: This work discusses the following subjects: (1) principles of organizing sanitation and dosimetric control in institutions where work is carried on with radioactive substances; (2) radio-chemical and chemical methods for determining certain radioactive substances in samples of air, water, soil and foodstuffs; (3) physical methods of measuring contamination of the air by radioactive gases and aerosols, and methods for determining the level of contamination of working surfaces, clothes and leather coverings; (4) methods of measuring external streams of x- and gamma-radiation, and methods of individual dosimetric monitoring; (5) Absolute and relative methods of measuring the activity of solid and liquid radioactive sources. There are four appendixes dealing with methods of calculating the total dosage from sources of ionizing radiation, units of activity, and doses from natural (background) radioactivity in the calcium of foodstuffs. Sanitary regulations observed during transportation, storage, and handling of radioactive substances are discussed, as well as the permissible level of ionizing radiation. The editors thank Yu.V. Sivintsev and D.P. Shirshov. References appear at the end of each chapter.

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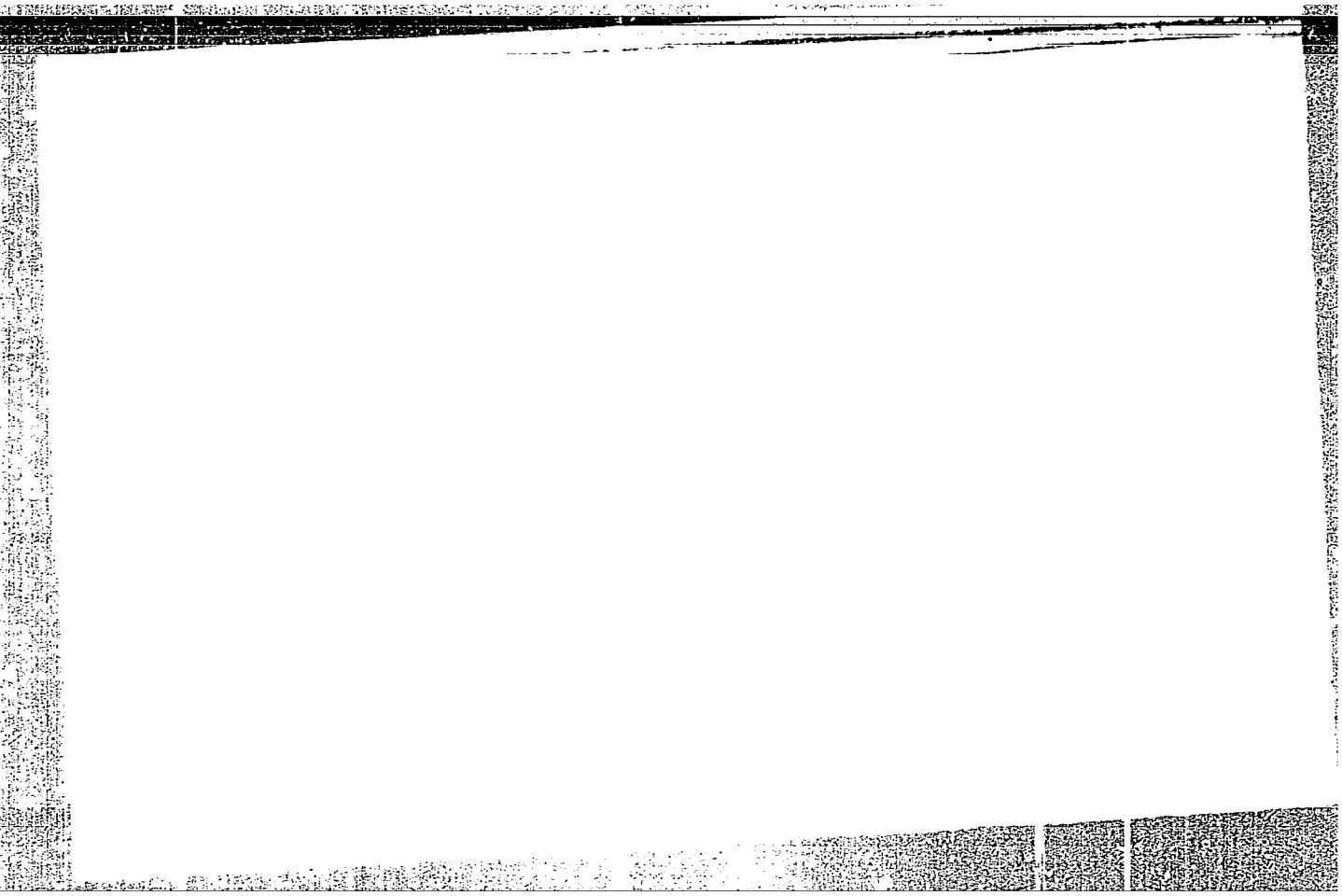

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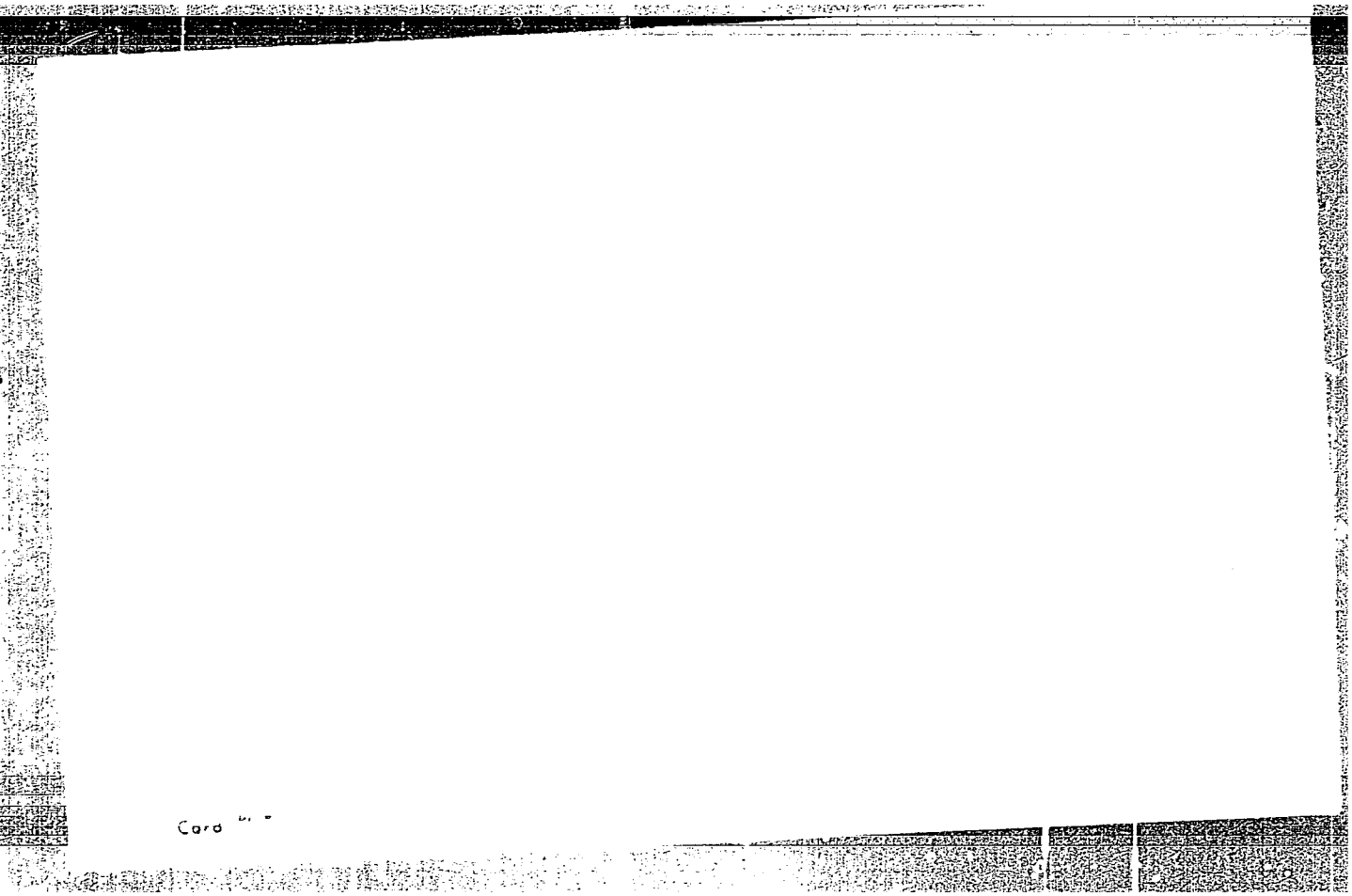

NAVALIKHINA N.K.; TRUKHANOV, V.A.

Second All-Union Conference on Polyploidy. Ukr. bot. zhur. 20 no.6:108-110 '63. (MIRA 17:2)

TRUKHANOV, V.A.; BASHMAKOVA, Ye.G.; FEDOSENKO, N.M.

Reconstruction of an open-hearth furnace using accelerated production-line methods. Prom. stroi. 38 no. 12:8-14 '60. (MIRA 13:12)

(Open-hearth furnaces)

TRUKHANOV, V.A.; PANIN, V.A. [Panin, V.O.]; SHEVTSOV, I.A.

Some problems concerning the selectivity of fertilization in diploid and tetraploid sugar beets. Ukr. bot. zhur. 22 no.4: 3-7 '65. (MIRA 18:10)

1. Institut botaniki AN UkrSSR, otdel genetiki.

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

Hydrodynamic characteristics of rotating-disk extractors. Khim. prom. no.3:190-195 Mr '62. (MIRA 15:4)
(Extraction apparatus)

KAGAN, S.Z.; AEROV, M.E.; VOLKOVA, T.S.; TRUKHANOV, V.G.

Calculation of the diameter of drops in rotor-disk extractors. Zhur.prikl. khim. 37 no.1:58-64 Ja '64. (MIRA 17:2)

KAGAN, S.Z.; TRUKHANOV, V.G.; KOSTIN, P.A.; KUDRYAVTSEV, Ye.N.

Use of industrial rotary disk extractors for the two-stage extraction of caprolactame. Khim. prom. no.2:94-101 F '64. (MIRA 17:9)

KAGAN, S.Z.; TRUKHANOV, V.G.; KOSTIN, P.A.; KUDRYAVTSEV, Ye.N.

Extraction of caprolactam from sulfate liquors in rotary disk extractors. Khim. prom. 41 no.3:184-186 Mr '65. (MIRA 18:7)

[illegible]

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[illegible]

AUTHORS: Kasatkin, A. G., Kagan, S. Z., Trukhanov, V. G.

TITLE: Empirical equations for the equilibrium distribution of liquid - liquid systems

PERIODICAL: Khimicheskaya promyshlennost', no. 6, 1960, 50-54

ABST: Various scientists have suggested empirical equations for calculating the total equilibrium-distribution curve from two points characterizing the composition of the coexisting equilibrium phases. Among these scientists, J. B. Hand, I. Bachman, D. F. Othmer, and P. E. Tobias are mentioned. The relation between the equilibrium composition of the refined products and that of the extract was deduced by the authors in the general form

$$y = Ax^n + Bx^{n-1} + \ldots + Fx \quad (4),$$ where n = 1, 2, 3 ...

depends on the fact how many molecules of the distributed substances associate to one molecule. A, B...F are coefficients dependent on the degree of association of the molecules of the distributed substance and on the distribution coefficient. Eq. (4) is based on the assumption that the

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Empirical equations for the ...

molecules of the distributed substance are present in the extract in form of ... monomer. The equation

$$y = Kx_1 + 2KC_2x_1^2 + 3KC_3x_1^3 + \ldots + nKC_nx_1^n \quad (10)$$

is derived, where K is the distribution coefficient, C_2, C_3 ... C_n are constants dependent on temperature. This equation proves the correctness of equation (4), whereby $nKC_n = A$; $(n-1)KC_{n-1} = B$, and $K = F$. The numerical values of A, B ... F may be determined from the experimental data by lowering the powers in equation (10). In the assumption that the equilibrium dependence of any liquid - liquid system is represented by curve 1 (Fig. 1) and that this curve may be represented by equation (4) and finally that this equation is represented in form of the function $y/x = f(x)$, another curve 2 (whose equation is $y/x = Ax^{n-1} + Bx^{n-2} + \ldots + F$) can be plotted in the coordinates y/x - x. If it is assumed, for reasons of simplification, that the associated polymer molecules in the refined product contain at most three initial molecules of the substance distributed ($n = 3$), one obtains in the ... coordinates which correspond to the new functional dependence $(y/x) = F/x = f(x)$ the straight line 3 having ... equation

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Empirical equations for the ...

$[(y/x) - F]/x = Ax^{n-2} + B = Ax + B$. Equation (10) has been checked on various liquid - liquid systems taking account of three possible equilibrium lines. In systems having maxima on the equilibrium distribution curve not a single equation can be obtained in the concentration range from 0 to the critical point K; in these cases, the final straight line obtained by successive lowering of the powers in equation (10) must show breaks, and for the linear sections of the broken line particular equations have to be obtained. Equation (10) was used for equilibrium data obtained by the authors and other scientists, i.e. for more than 30 liquid - liquid systems. The systems water - diisopropyl ether (Ref. 9: F. J. Frere, Ind. Eng. Chem., 41, no. 10, 2365 (1949)) (Fig. 3a) and water - pyrocatechin - diisopropyl ether (Fig. 3b) were taken as examples; the latter according to data by I. V. Filippov (Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti = All-Union Scientific Research Institute of the Petroleum Industry). In Figs. 3, 4, and 5, the auxiliary lines II, III, and IV are shown besides the equilibrium curves I. From Fig. 3 it is evident that the equation $y = Ax_2 + Bx$ holds for the equilibrium dependences of these systems. For the system water - acetic acid - benzene a break with the coordinates $y/x - x$ is characteristic; for the lower section of the curve $y = Ax^2$, and

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Empirical equations for the ...

for the upper section $y = A_1x^2 + B_1x$. In Fig. 4 б, (system glycerin - ethyl amine - acetone) the case is shown, where the auxiliary line with the coordinates $y/x - x$ has a straight and a curved section. Finally the system 4 N HNO_3 - zirconium nitrate - 10% solution of diisoamyl ester of the methyl phosphinic acid (DAMPA) in kerosene (according to data by V. V. Tarasov (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)) (Fig. 5) is dealt with. The empirical equation $y = Ax^4 + Bx^3 + Cx^2 + Dx$ holds for this system. There are 5 figures, 1 table, and 13 references: 3 Soviet-bloc and 13 non-Soviet-bloc. The 3 most important references to English-language publications read as follows: D. B. Hand, J. Phys. Chem., 34, 1961 (1930); I. Bachman, J. Phys. Chem., 44, 446 (1940); D. F. Othmer, P. E. Tobias, Ind. Eng. Chem., 34, 639 (1942).

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

Card 4/4

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

Statics of the extraction of caprolactam by organic solvents.
Khim.prom. no.3:190-196 Mr '61. (MIRA 14:3)
(Azepine) (Solvents)

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

Empirical equations for equilibrium distribution in liquid - liquid systems. Khim. prom. no. 6:488-492 S '60.
(MIRA 13:11)
(Extraction (Chemistry)) (Phase rule and equilibrium)

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B020/B054

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AUTHORS: Kasatkin, A. G., Kagan, S. Z., and Trukhanov, V. G.

TITLE: Empirical Equations for the Equilibrium Distribution of Liquid - Liquid Systems

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 6, pp. 50-54

TEXT: No sufficiently universal rules for the equilibrium distribution in two immiscible liquid phases, which would be of interest to liquid extraction, have been found hitherto. The most universal form of the correlation between the equilibrium compositions of the refined product and the extract is the equation

$$y = Ax^n + Bx^{n-1} + \ldots\ldots Fx \qquad (4),$$

where n = 1,2,3.... depending on how many molecules of the substance distributed associate to one molecule, and A, B...F are coefficients depending on the degree of association of the molecules of the substance distributed, and on the coefficient of distribution; these coefficients can be determined experimentally. Fig. 1 shows the equilibrium concentrations

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of the phases for the liquid - liquid system, and Fig. 2 the possible types of equilibrium lines for the liquid - liquid system. Figs. 3, 4, and 5 show the experimental and calculated equilibrium curves for various systems. The empirical equations for the equilibrium curves of the liquid - liquid systems are indicated in Table 1. I. V. Filippova of the Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti (All-Union Scientific Research Institute of the Petroleum Industry), and V. V. Tarasova of the Institute quoted under "Association", are mentioned. There are 5 figures, 1 table, and 13 references: 3 Soviet, 12 US, and 1 German.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

Kinetics characteristics of rotor-and-disk extractors. Trudy MKHTI no.40:134-142 '63. (MIRA 18:12)

GOL'DBERG, A.M., kand. ekon. nauk dots.; DOLGUSHEVSKIY, F.G.; KRAMAROVSKIY, L.M.; TRUKHANOVA, A.N., red.

[Collection of problems on the statistics of capital construction] Sbornik zadach po statistike kapital'nogo stroitel'stva. Moskva, Statistika, 1965. 254 p. (MIRA 18:5)

CHISTOKLETOV, Petr Dmitriyevich; IVANOV, V.A., red.; TRUKHANOVA, A.N., red.

[Collection of accounting problems on collective farms; a comprehensive problem] Sbornik zadach po bukhgalterskomu uchetu v kolkhozakh; skvoznaia zadacha. Moskva, Statistika, 1964. 134 p. (MIRA 18:1)

KAMENSKIY, V., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor.

[Mechanized finishing of buildings with decorative stucco] Mekhanizirovannaia otdelka zdanii dekorativnymi shtukaturkami. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 86 p. (MLRA 8:2)

1. White Russia. Ministerstvo zhilishchno-grazhdanskogo stroitel'stva. (Stucco)

BARANOVSKIY, M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[The White Russian machine builder; a collection of scientific and technical articles] Mashinostroitel' Belorusii; sbornik nauchno-tekhn. informatsii. Minsk, Gos. izd-vo BSSR, 1955. 149 p. (MLRA 9:9)
[Microfilm]

1. Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Belorusskoye respublikanskoye otdeleniye
(White Russia--Machinery industry)

BIRYUKOV, V.A., kandidat tekhnicheskikh nauk, dotsent; MININ, A., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Modern methods of drying wood] Sovremennye metody sushki drevesiny. Minsk, Gos. izd-vo BSSR, 1956. 263 p. (MLRA 10:2)
(Lumber--Drying)

DIMITROVICH, A.D., kandidat tekhnicheskikh nauk; PETROV, L., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Increasing the productivity and economy of brick kilns and drying apparatus] Povyshenie proizvoditel'nosti i ekonomichnosti kirpichepozhigatel'nykh pechei i iskusstvennykh sushilok. Minsk, Gos. izdvo BSSR, 1956. 50 p. (MLRA 9:9)
(Kilns)

KAZACHEK, G.A., glavnyy redaktor; ROGOVIN, Ya.A., redaktor; MOROGOVSKIY, B.M., inzhener, redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor.

[Handbook for master-builders] Spravochnik mastera-stroitelia. Izd. 2-e, perer. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1953. 976 p. [Microfilm] (MLRA 8:2)

1. White Russia. Ministerstvo zhilishchno-grazhdanskogo stroitel'stva. (Building)

MATYUSHIN, Viktor Nikolayevich; IL'IN, I.M., red.; TRUKHANOVA, A.N., red.; IL'YUSHENKOVA, T.P., tekhn. red.

[The journal-voucher accounting system in construction organizations] Zhurnal'no-ordernaia forma schetovodstva v stroitel'nykh organizatsiiakh. Moskva, Iskusstvo, 1963. 222 p. (MIRA 17:3)

KUZNETSOV, Ivan Grigor'yevich; PANKOVA, K.I., otv. red.; TRUKHANOVA, A.N., red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Case problems in collective-farm accounting]Sbornik uprazhnenii po bukhgalterskomu uchetu v kolkhozakh; skvoznaia zadacha po planu v 29 schetov. Moskva, Gosstatizdat, 1962. 209 p. (MIRA 16:2)

(Collective farms--Accounting--Problems, exercises, etc.)

DVOYRIN, Elya Yurmovich; SOKOLOV, Sergey Dmitriyevich; TRUKHANOVA, A.N., red.; PYATAKOVA, N.D., tekhn. red.

[Problem for the teaching of accounting practice on collective farms]Zadacha dlia uchebnoi praktiki po bukhgalterskomu uchetu v kolkhozakh; dlia podgotovki schetnykh rabotnikov kolkhozov v uchebnoi seti UPK TsSU SSSR. Izd.3., perer. Moskva, Gosstatizdat, 1962. 229 p. (MIRA 16:4)
(Collective farms--Accounting)

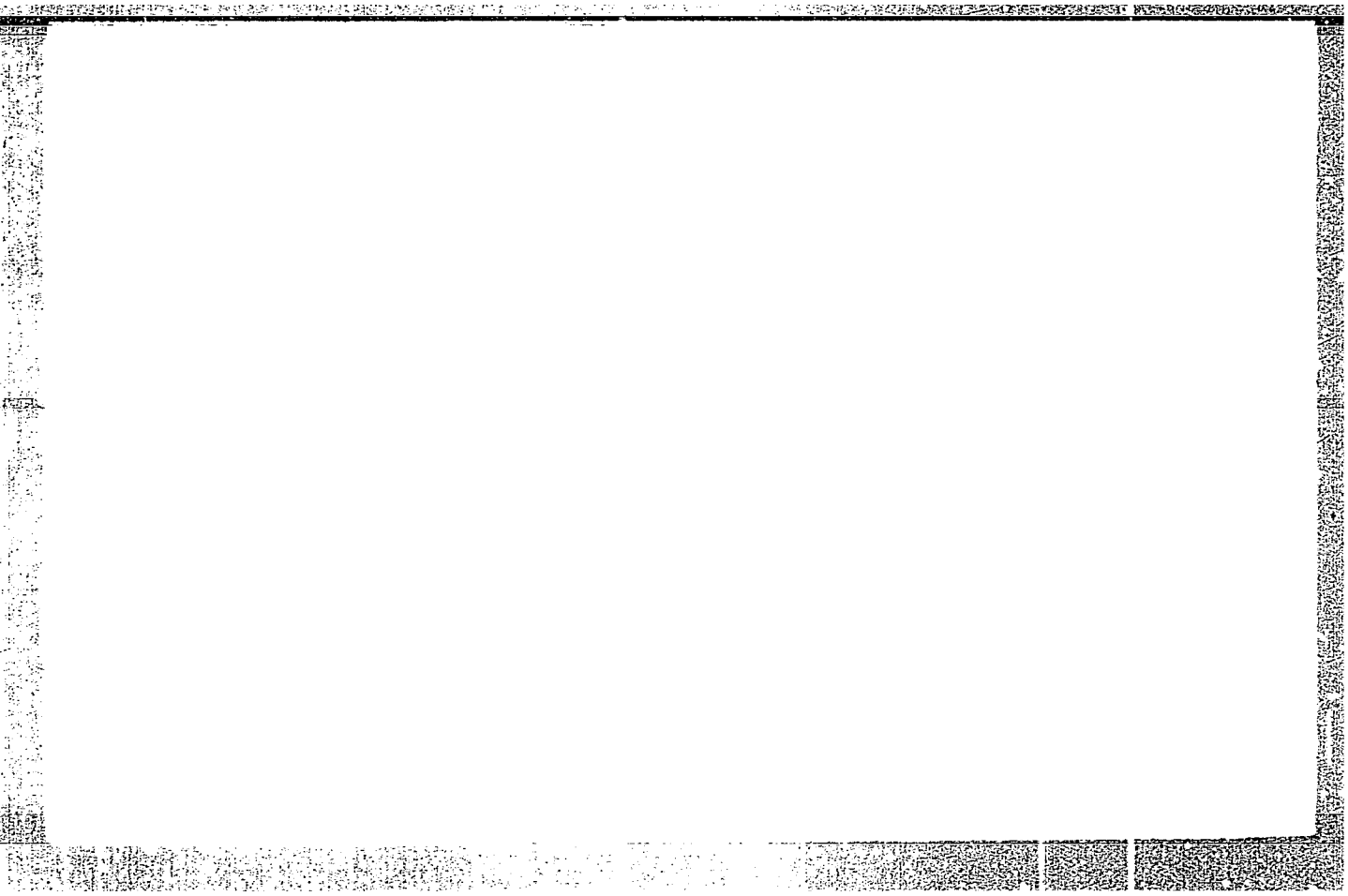
DOLGUSHEVSKIY, F.G., dots.; GOL'DBERG, A.M., dots.; KOZLOV, V.S., dots.; PANCHENKO, V.P., assistent; POLUSHIN, P.I., st. prepod.; ERLIKH, Ya.M., dots.; TRUKHANOVA, A.N., red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Problems in economic statistics] Sbornik zadach po ekonomicheskoi statistike. [By] F.G.Dolgushevskii i dr. Moskva, Gosstatizdat, 1963. 311 p. (MIRA 16:9)
(Statistics--Problems, exercises, etc.)

TRUKHINOVA, A.T.

Variability in plants from unripe seeds. Agrobiologiia no.6:851-855 N-D '65. (MIRA 18:12)

1. Institut genetiki AN SSSR.



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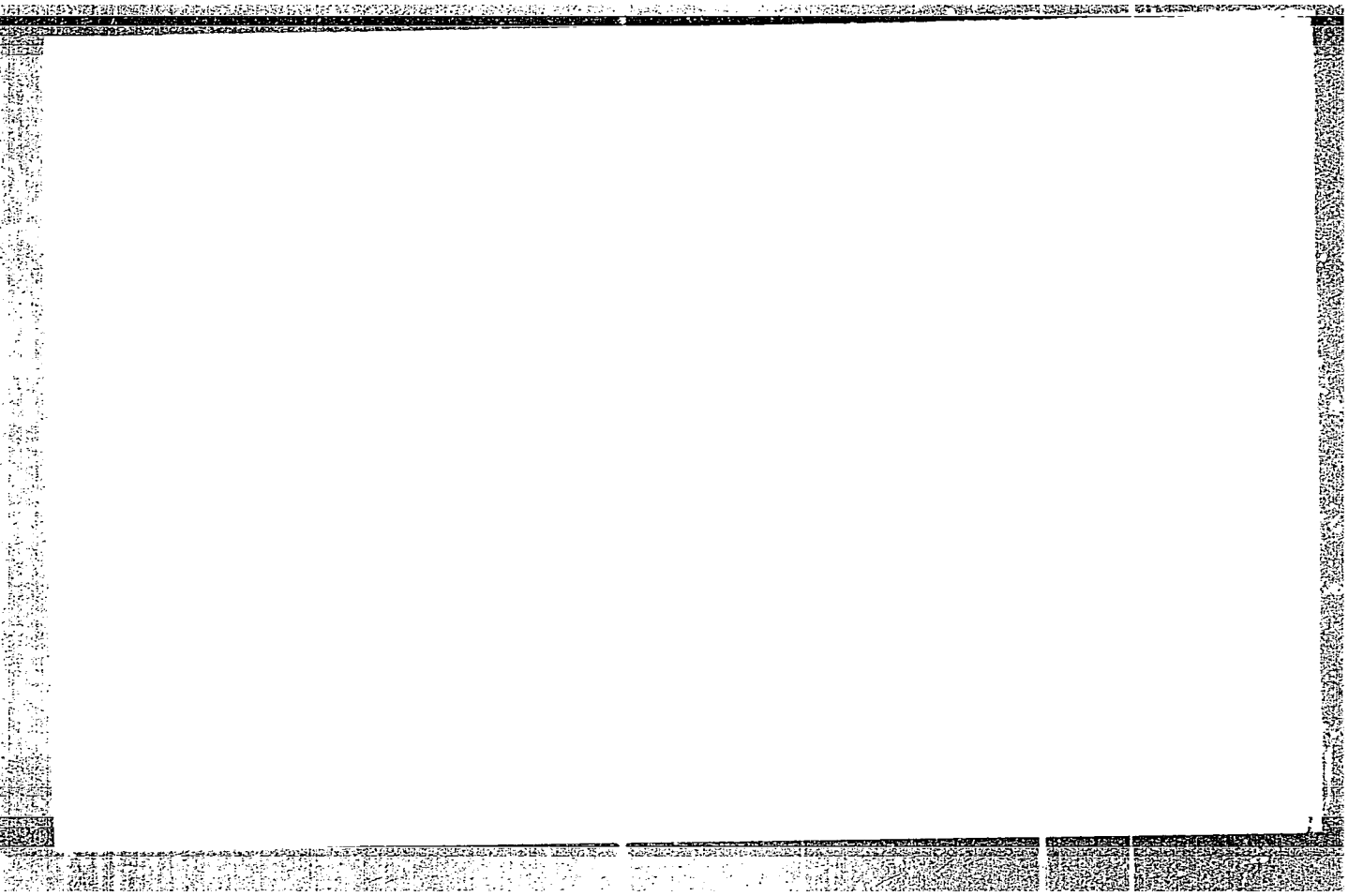

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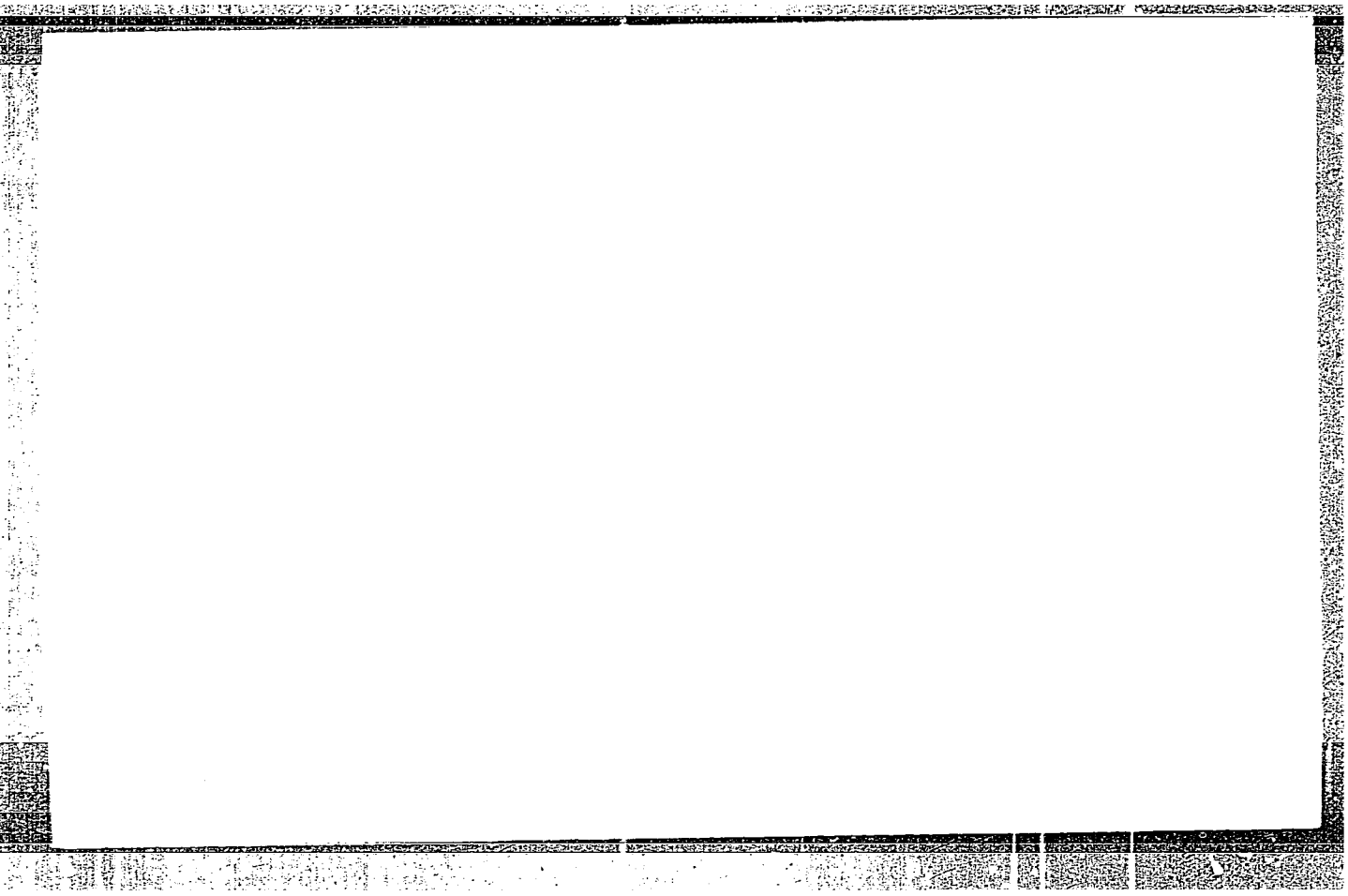

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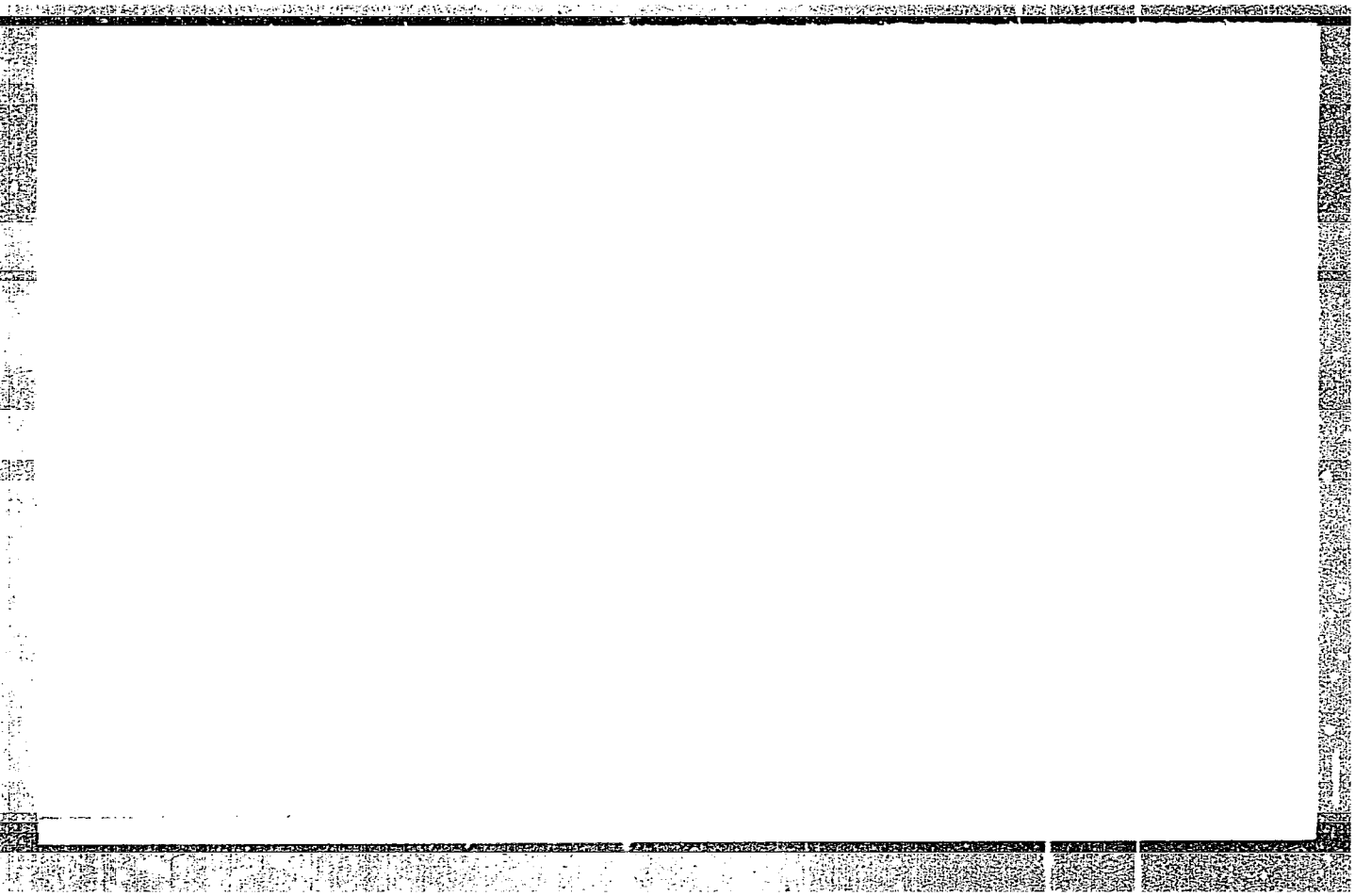

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